Duret 7 l'emerce rebaggiament ypolonemi & Zp $J P \in \mathbb{P}, P \neq 2, a, b, ce \mathbb{Z}_{p}, a \neq 0, D = b^{2} - 4ac$ $a \times^{2} + b \times + c = 0 \iff \chi^{2} + \frac{b}{a} \times + \frac{c}{a} = 0 \iff (x + \frac{b}{2a})^{2} = \frac{b^{2}}{4a^{2}} = \frac{c}{a} = 0$ = $\frac{b^2 - 4ac}{4a^2} = \frac{b^2 - 4ac}{(x + \frac{b}{2a})^2} = \frac{D}{4a^2} / pacnuconu$ guerpununaro!

Ecun D-rebogpamentain bouers, no $D=d^2$ gra renomptoro $d \in \mathbb{Z}_p$ 4 $\frac{\mathbf{D}}{4a^2} = \left(\frac{\pm d}{2a}\right)^2$. Torga ynabherene uner 2 premone; \times 1 - $\frac{b+d}{2a}$ 4 \times 2 - $\frac{b-d}{2a}$

· Eau D=0, no grabuerne uneer 1 pennereue: $X_{1} = \frac{-b}{aa} // 1000 y 2000 wpers. 250-70, waya <math>x = 0$

THE MEDICAL CONTRACTOR STORES TO BE ARRESTED THE PARTY OF THE PARTY OF

· Ecun 0 - Roagnamernoui reboren, no $\frac{D}{4a^2}$ - rænne klagnotenoui neborem, a znows, pemeneni her (7.16. Dreboret ne momes Soos poller klaignamy no onpegeneruro) // no reme 5 o repouro-

Dunet 6

luna 5 J per, o, b eZp, 9 + 0, b +0. loga:

1) Eau a, b- Magnamiriou borema, 70 ab-mbogganouvour boren,

2) (Eau a-kb. Boren, b-kb. reboren, no ab-kb. rebouen

3/18 cun a, b-kb. relocemer, oro ab-kb. borene.

Diff takue x, y \(\mathbb{Z}_p \) romo \(a = x^2 u b = y^2 \). Torpa \(ab = (xy)^2 \) // no emperore
20 · Remembre \(x \) 2) · Couemos a, 201... (p-1) a - 6 marocomu bce renynebase enemer 2p: gregu nux ner 0 " Bce on pogrurnos, T.K. ai=

= aj = 7 i = j (palemembo mouno gommoneus na a-1).

Torpa grepu = 7 ax poynamen > nemenos pobro $\frac{p-1}{2}$ kborg pa-· Tak kak no n.1 rpu yuko weeku a ka Pit kb. Borer dy nongradio il borem (pognishore, file P-1 leityk), mo you youncuerce

a no P-1 octabulière Inemente (reforetor) nongrue reboretor

// Tan non
y buronnine! Donne Site Fi (nondema) trust no
nomina imparie in l'ineliere

3) a, 2a, ... (p-1) or - bee renyrebble memerior & Zp, greple Hex pobro P-1 kb boremob u reborerob. Tan nan you y uenomenem a na nl. Boreme, no n. 2, nonyeur fix kl. nelsonvernol, mo nom ymenomenem a na nel nelsorer nonyeur borer

LTyT Pa'Mbres u Fi kl. helves

· no n. 1 rongemen wel tous no engagement. Ux Pi wyk.

Bout Box : Toyon rypu yunoumenu berzera na nelseer Jonnes nongre coralumes (a nom more?)

· U, nononey, yumouras nelevas . Helbrat wer inonyzaen unda innobury borerod The gryeas was suma zumera